

# Special Interest Videotapes

The Special Interest videotapes include project and product demonstration videos, promotional videos, and specialty videos. Many of these videos can be used to accompany presentations or speaking engagements. These tapes are for a two week loan only. Many of these tapes are protected by copyright and MAY NOT BE DUPLICATED without specific written permission of the source. The tapes in this section will be numbered 500-999. An order form is included in the back of this catalog.

The Special Interest videotapes are being offered as a way of sharing information on new technologies. This is not an endorsement by the Illinois Department of Transportation or the Technology Transfer Center for the particular products or information presented.

## **Videotapes in numerical order:**

### **V500 Plow Power, American Public Works Association**

This video illustrates safety and snow plowing techniques on city streets, at intersections and in subdivision cul de sacs. (15 min)

### **V501 Flowable Fill, Illinois Ready Mix Concrete Association, 1990**

This video discusses the advantages of using flowable fill as an alternative to conventional backfilling with its main advantage being its ability to support with minimal settlement. (7 min)

### **V502 All American Disk, Doyle, Inc., 1996**

This video shows how the All American disk reclaims gravel and fills in shoulder drop-offs along roadways. (5 min)

### **V503 Hand Signals For Crane Operation, Link-Belt Corporation**

This video illustrates the correct hand signals to use when guiding a crane operator. (11 min)

### **V504 Computer Literacy, Learn PC, 1992**

3 part video that introduces computers to new users. (100 min)

Part 1 - Introduction to PCs (30 min)

Part 2 - The Power of Your Computer (50 min)

Part 3 - Productivity at Your Finger Tips (20 min)

### **V505 Underground Safety: Personal Protection, National Utilities Contractors Association**

This video illustrates personal protection practices to follow when working underground. (10 min)

### **V506 Back To Basics: Back Injury Prevention, Association of General Contractors**

Video shows helpful suggestions to prevent back injury. (15 min)

### **V507 Tool Box Talks: Scaffold Safety, Association of General Contractors**

This video provides safety tips to follow when working on or near scaffolds. (5 min)

### **V508 Avoid Hot Mix Hazards: Working Safely with Hot Mix, Association of General Contractors**

This video shows how to work safely when using hot mix asphalt. (14 min)

### **V509 RULES OF THE GAME: Employee Safety Orientation, Association of General Contractors**

This video is based on building construction safety but can be applied to highway construction and maintenance operations. Some valuable safety information is provided. (12 min)

**V510 SI Metric in the Workplace, Workplace Training**

Part 1: Introduction to SI Metric

Part 2: Units of Measure

Part 3: Reading and Writing Rules

This video set is designed as an introduction to the metric system for engineers and all support staff. The set is accompanied with a participant's workbook developed by the Technology Transfer Center. (20 min)

**V511 Drugs at Work, National Institute on Drug Abuse**

The human and monetary costs and consequences associated with drugs in the workplace. The Drug Free Workplace Program is also discussed. (24 min)

**V512 Hazard Communication, Industrial Training Inc., 1985**

Right to Know information regarding chemicals present in the workplace. Addresses training, labeling, and containing devices (20 min)

**V513 It's Everyone's Concern, Coastal, 2002**

This video examines some security measures that may be encountered in public buildings and discusses why they are necessary. Simple tools are given to ensure the peace of mind that comes with working in a safe and secure public building. (17 min)

**V514 AGC Partnering Program, Association of General Contractors, 1992**

The Owner-Contractor management concepts of Total Quality Management and Partnering are discussed. (12 min)

**V515 Traffic Control Series, International Road Federation, 1994**

Part 3: Traffic Control Signals at Intersection.

This is a basic introduction to how engineers determine if a signal is needed and the basic principles of signal controller phasing and traffic signal timing. Intersection studies are briefly described, and types of warrants for signalization are given. Signal equipment is also shown. (18 min)

5 part video that covers traffic control on a global basis (104 min)

Part 2: Traffic Controls for Schools, Railroad Crossings, and Bicycle Facilities.

This video follows MUTCD traffic controls for three traffic control conditions requiring extra safety considerations: schools, railroad crossings, and bicycle facilities. (24 min)

Part 4: Traffic Sign Inspection and Maintenance.

This video shows the importance of sign inspection, inventory and maintenance procedures. (21 min)

Part 5: Traffic Sign Placement and Location. This video covers the placement and location of signs in general and specifically at their placement and location in three areas: urban, rural, and freeways. (22 min)

Part 1: Markings and Islands.

This video follows MUTCD guidelines on the design and application of markings and islands. (19 min)

**V516 Jobsite Safety Series, International Road Federation, 1994**

Part 1: Developing Jobsite Traffic Control Plans.

This video follows the development of an effective traffic control plan from the preplanning process, through the design and writing, the implementation, evaluation and even revision. (21 min)

2 part video that cover jobsite safety on a global basis (45 min)

Part 2: Installation, Inspection, and Maintenance of Work Site Traffic Control Devices.

This video shows types of traffic control devices, their installation and inspection at a basic worksite based on a traffic control plan. (24 min)

**V517 Snow Removal Techniques - Plowing Tips From the Pros, Vista Videos**

This video provides excellent tips for snow plow operators to help them do a better job. This tape can be used as a training video for new operators and can give new information to experienced operators. (23 min)

- V518 Right Before Your Eyes, ATSSA, 1993**  
General presentation on the need for good pavement markings. (10 min)
- V519 Super Bridge, PBS - NOVA, 1997**  
This video takes a look at the construction of the (cable stayed) Clark Bridge spanning the Mississippi River at Alton, IL. Excellent video. (120 min)
- V520 Why So Many Questions?, JULIE, 1997**  
This video explains Illinois law regarding JULIE notification, the proper procedures to follow and location information needed. (24 min)
- V521 On Solid Ground, Association of General Contractors**  
Describes the importance of trench shoring and safety steps. (18 min)
- V522 Principles of the Asphalt Paver, Barber-Greene, 1992**  
This video illustrates the operation of the Barber-Greene asphalt paver to produce a quality paving surface. (18 min)
- V523 Discovering the Internet, Learn PC, 1995**  
This video explains how the Internet works. Topics include the Internet and the World Wide Web, on-line services, Internet providers, web browsers, web pages, using email, and performing searches on the web. (60 min)
- V524 Cutler Repaving History, Culter**  
The Cutler Repaver is demonstrated (10 min)
- V525 How to Prevent Segregation, Video University Productions, 1992**  
What causes segregation in asphalt mixes and how to prevent it. (26 min)
- V526 Hot In-Place Recycling, Gallagher Asphalt**  
Directed at Public Works Directors as a way to use asphalt in-place recycling to stretch their maintenance dollars. (7 min)
- V527 Road Oyl: Resin Modified Emulsion, Road Products Corporation, 1993**  
Road Oyl is a non-water soluble, high bonding strength emulsion developed for use in pavement applications, dust control and erosion control. (25 min)
- V528 Building the Notched Wedge Joint, National Asphalt Pavement Association, 1998**  
This video provides the viewer with the construction technique utilized to create the "Notched Wedge Joint" and its reported benefits including: enhanced pavement life and increased safety. This is a good video for design engineers, inspectors, and asphalt paving personnel. (8 min)
- V529 Cold In-Place Recycling, ARRA**  
Describes the cold in-place recycling process, core sample testing, design recycling content procedures, and advantages and disadvantages. (40 min)
- V530 Full Depth Reclamation, ARRA, 1992**  
Covers the applications and uses of full depth reclamation. Fully describes the short-term and long-term benefits. (12 min)
- V531 Hot In-Place Recycling, ARRA, 1991**  
Video describes how hot in-place recycling can extend the existing asphalt life at half the cost of conventional recycling while protecting the environment. (7 min)

- V532 Preventive Maintenance, Foundation for Pavement Preservation, 2000**  
The video provides a better understanding of the various factors, such as existing pavement condition and environmental effects, which must be taken into consideration when selecting the proper pavement for preventive maintenance. The tape also provides a general overview of the various preventive maintenance treatment options available for both rigid and flexible pavements. (30 min)
- V533 Principles in Quality Concrete, PCA**  
Discusses all phases of achieving high strength concrete, for selection of materials to placement and curing. (36 min)
- V534 Construction Trenching and Shoring: Hard Hat Series, Coastal, 2002**  
OSHA estimates that approximately 90 deaths occur every year because someone didn't know basic trenching and shoring safety guidelines. The practical safeguards covered here can help prevent these needless casualties. Topics include: Evaluating an excavation site, Effective worker protection systems, and Emergency response. (10 min)
- V535 Defensive Driving for Government Employees, Coastal, 2002**  
This new video program looks at techniques to help prevent accidents from happening, and in the case of unavoidable accidents, help lessen their severity. Topics include: What Is Defensive Driving?; Respect for the Vehicle; Your Responsibility as a Driver; Proper/Safe Driving Techniques; Seat Belts; Driving in Poor Weather; Speeding, Right-of-way, Passing, Tailgating; and Distractions & Road Rage. (19 min)
- V536 PPE: Don't Start Work Without It (Safety 101), Coastal, 2002**  
Learn to use the right equipment for each job, and use it correctly. Topics include: Eye and Face Protection; Hearing Protection; Hand & Foot Protection; Basic PPE Rules. (15 min)
- V537 Construction Lockout/Tagout, Coastal, 2003**  
Preventing unexpected start-ups of equipment during servicing and maintenance is as easy as the six-step safety procedure summarized in this video program. Topics include: How Lockout/Tagout Systems Work; When to Use Lockout/Tagout Procedures; Six Steps Required in Lockout/Tagout Process. (10 min)
- V538 Construction Confined Space Entry, Coastal, 2002**  
Working safely in a confined space requires learning the necessary skills to prevent or escape dangerous, or even fatal accidents. Preparation begins with this overview: Identifying Confined Spaces & Their Hazards; OSHA's Confined Entry Permit Program; Duties of Confined Space Entry Team. (10 min)
- V539 Flagging: You're the Director, Coastal, 2002**  
The job of the flagger is crucial for preventing highway work zone accidents. However, Flaggers are often not properly trained or not trained at all. This valuable video program reviews vital flagging procedures including: Flagger Requirements; Proper Clothing & Equipment; Flagger Position; and Stopping & Releasing Traffic. (18 min)
- V540 Highway Work Zone Safety: The Basics, Coastal, 2002**  
This video program will help your employees understand and comply with MUTCD and learn what it takes to keep themselves, drivers, and pedestrians safe. Topics include: Being Safety Conscious; Traffic Control Devices; Slowing Down Traffic; Detours & Closures; and Communication. (18 min)
- V541 Heat Stress, Coastal, 2003**  
This video program focuses on preventing illnesses and minimizing safety hazards. Complies with NIOSH and OSHA recommendations. Topics include: Hazards of Hot Environments and First Aid. (16 min)
- V542 Construction Fall Protection: Get Arrested!, Coastal, 2002**  
This new program will help your employees work safer and smarter. It will also train employees on what's new, what's in and what's out, as far as fall arrest equipment and safety procedures go. Topics include: Requirements for Guardrail Construction, Strength, & Minimum Height Standards; Proper Anchorage Techniques; When & How to Use Lifelines & Positioning Devices. (11 min)

- V543 Winter Safety, Coastal, 2002**  
Freezing temperatures and icy roads. They're not only uncomfortable - they can be deadly. Either on the job or during recreational time, winter weather can pose special dangers to everyone. Topics include: Signs & Treatment of Hypothermia & Frostbite; Prevention of Hypothermia & Frostbite; and Off the Job Winter Safety. (14 min)
- V544 Road Rage, Safety Shorts, 1998**  
Explains Road Rage and its causes from aggressive drivers to rude drivers. Various ways of Stress management and ways to avoid confrontations with rude operators. (6 min)
- V545 Quick-change Movable Barrier, Barrier Systems Inc, 2002**  
Part 1: This video shows the general operation and discusses the advantages of the Quick-change system.  
Part 2: The system is demonstrated on the Texas I-30 Contraflow HOV Lane. (18 min)
- V546 Stabilization for Low Volume Roads, American Road & Transportation Builders Association**  
Six steps to soil stabilization for unpaved roads or as a base under pavement. (11 min)
- V547 Trenching and Shoring: The "Hole" Story, Safety and Training Services, 1998**  
Review of OSHA's trenching requirements for cave-in prevention and worker safety. (13 min)
- V548 NAPA Paving Practices for Quality, National Asphalt Pavement Association, 2001**  
This video reviews safety practices pertaining to Hot Mix Applications in three stages including paver operations and roller operations. Covers different tasks performed by Laborers and tips on proper paving techniques.  
  
\*NOTE: Spanish version is also on this tape. (30 min)
- V549 Back Safety: Lift Well, Live Well, Coastal, 2001**  
This video will show you how you can "head off back pain" when you use your head and remember to protect your back from stress. (14 min)
- V550 AEMA Paving the Way...to the 21st Century, AEMA, 1995**  
This video covers the applications and benefits of using asphalt emulsions. (11 min)
- V551 What's Hot Mix Asphalt, National Asphalt Pavement Association, 1993**  
This video explains what hot mix asphalt is and its uses. (12 min)
- V552 Ultra-Thin Whitetopping: Today's Choice for Durable Pavement Overlays, American Concrete Pavement Association**  
This video shows an alternative to HMA for overlays. It provides benefits and a brief over view of the Ultra-Thin Whitetopping process. (8 min)
- V553 Chainsaw Sharpening, Forest Products Accident Prevention Association**  
This video shows that proper chain saw sharpening increases safety as well as efficiency. (7 min)
- V554 In Place Concrete Recycling System, Paradigm Equipment Company, 1993**  
This videotape explains the Paradigm in place concrete recycling process and its benefits. (9 min)
- V555 Safe and Secure, Coastal**  
Coastal's "HazMat: Safe And Secure" video examines the types of threats that exist for facilities that manufacture, store, use or transport hazardous materials. It covers the details of a Security Vulnerability Analysis, as well as tips to make your facility safer and more secure. (24 min)

- V556**    **Qualification Based Selection (Contractor Selection), Consulting Engineers Council of Illinois**  
This video explains the qualification-based selection process and how it is used for professional or public projects. Explains selection process and how to evaluate and rank different firms for your project. Selection of Qualified Engineers-Architect for projects and avoiding low bid catastrophes. (15 min)
- V557**    **Crisis Under Control, Coastal, 2000**  
OSHA's 1910.38 requires that each company develop a workable Emergency Action Plan. With the new threats facing our society today, such a plan is required not only for compliance, but also for survival. Make sure your organization has a well thought out plan in place by following the guidelines provided in this program. (16 min)
- V558**    **Understanding Superpave Mix Design, National Asphalt Pavement Association, 2000**  
Produced in cooperation with the FHWA, this video explains the basics of Superpave material selection, laboratory compaction, and the required mix evaluation processes. This video is based on the national recommendations; however, IL DOT has made minor changes to the national recommendations. (13 min)
- V559**    **Sensible Wood Cutting: Tips from the Pros, Husqvarna Forest & Garden, 2003**  
This video provides some basic tips and techniques that can make your cutting experience safer and more productive. It covers: Personal Protective Gear, Safety Features of Husqvarna Chain Saws, Making a Cutting Plan, and Various Felling Techniques. (25 min)
- V560**    **On Again Off Again: A Guide to Mounting and Dismounting Heavy Equipment, Public Entity Risk Institute, 2003**  
This video describes accident and safety steps that are abused routinely by Experienced operators. What injuries can cost companies, the three points of contact. How to complete a walk around inspection, and common checks that will help avoid falls as well as injuries to operators. (18 min)